

METHOD AND APPARATUS FOR BACKGROUND ADJUSTMENT IN COLOR REPRODUCTION DEVICES

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ABSTRACT

A method for background adjustment. A background lightness level in an original image is estimated. Pixels are then converted to a luminance-chrominance color space. Pixels have lightness levels equal to the background lightness level are mapped to a value corresponding to white as background pixels. Chroma values for the background pixels are compared to a threshold and adjusted as needed, either by adjusting the lightness value or by removing the chrominance values. The luminance-chrominance data is then converted to output space.

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